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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:48 ; Search time 140.11 Seconds
(without alignments)
6.024 Million cell updates/sec

Title: US-09-331-631A-7_COPY_34_80
Perfect score: 258
Sequence: 1 YERDPROQYEQCORCESEEA.....OCEORCEREYKQROOEE 47

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/2/1aa/5a_COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5b_COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6_COMB.pep:*
4: /cgn2_6/prodata/2/1aa/PCRTUS_COMB.pep:*
5: /cgn2_6/prodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	258	100.0	566	1	US-07-955-905A-2
2	258	100.0	566	1	US-07-955-905A-22
3	127	49.2	587	1	US-07-955-905A-23
4	86	33.3	1898	2	US-08-056-200-94
5	86	33.3	1898	2	US-08-800-644-94
6	85	32.9	1162	2	US-08-728-323A-2
7	82.5	32.0	186	2	US-08-557-309B-43
8	82.5	32.0	186	3	US-08-834-306-43
9	76	29.5	740	1	US-08-257-073-5
10	73.5	28.5	303	1	US-08-109-91A-2
11	73.5	28.5	303	1	US-08-459-019A-2
12	73.5	28.5	303	2	US-08-460-428A-2
13	73.5	28.5	303	3	US-08-458-860A-2
14	72.5	28.1	288	2	US-08-961-858-6
15	72.5	28.1	288	3	US-09-089-593-6
16	72.5	28.1	288	3	US-08-950-925-4
17	71.5	27.7	905	2	US-08-574-959A-9
18	71.5	27.7	1135	2	US-08-574-959A-7
19	70.5	27.3	432	2	US-08-933-750C-47
20	70.5	27.3	432	3	US-09-234-613-47
21	68.5	26.6	641	3	US-08-961-083-160
22	68	26.4	740	3	US-09-022-983-5
23	67	26.0	344	5	5210183-2
24	67	26.0	683	5	5210183-3
25	66.5	25.8	217	1	US-08-185-424B-2
26	66	25.6	249	2	US-08-991-946A-1
27	65	25.2	162	1	US-08-244-557-2
28	65	25.2	240	2	US-08-114-555A-8

29	65	25.2	240	3	US-08-559-397A-14	Sequence 14, Appl
30	64.5	25.0	76	1	US-08-253-155A-28	Sequence 28, Appl
31	64.5	25.0	77	1	US-08-253-155A-47	Sequence 47, Appl
32	64.5	25.0	83	1	US-08-253-155A-38	Sequence 38, Appl
33	64	24.8	43	2	US-08-499-676A-29	Sequence 29, Appl
34	64	24.8	83	2	US-08-499-676A-10	Sequence 10, Appl
35	64	24.8	376	5	5180810-1	Patent No. 5180810
36	64	24.8	428	1	US-07-816-283-12	Sequence 12, Appl
37	64	24.8	450	2	US-08-665-037-2	Sequence 2, Appl
38	64	24.8	450	2	US-08-666-067-2	Sequence 2, Appl
39	64	24.8	450	2	US-08-732-870-2	Sequence 2, Appl
40	63.5	24.6	571	1	US-07-955-905A-25	Sequence 25, Appl
41	63.5	24.6	788	2	US-08-918-914-4	Sequence 4, Appl
42	63.5	24.6	816	1	US-08-190-802A-54	Sequence 54, Appl
43	63	24.4	76	2	US-08-480-478-55	Sequence 55, Appl
44	63	24.4	76	2	US-08-326-110A-55	Sequence 55, Appl
45	63	24.4	77	2	US-08-465-380-55	Sequence 55, Appl

ALIGNMENTS

```

RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: PC floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-955-905A-2

Query Match      100.0%; Score 258; DB 1; Length 566;
Best Local Similarity 100.0%; Pred. No. 4e-20;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YERDPROQYEQCORCESEATEEREDQRCEREREYKQROOEE 47
    |||||||
Db 34 YERDPROQYEQCORCESEATEEREDQRCEREREYKQROOEE 80

RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:

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LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-109-391A-2

Query Match 28.5%; Score 73.5; DB 1; Length 303;
Best Local Similarity 35.1%; Pred. No. 0.49;
Matches 20; Conservative 10; Mismatches 16; Indels 11; Gaps 2;

QY 1 YERDPQOYEQC-----QRCESEATEER-----EEOCEQRCEREREYKQOQROEE 46
Db 222 YTVSMQKQYDQVKEDKERRMQEERERLEVEEQIOEKLRQEEERERQOERRQKE 278

RESULT 11

US-08-459-019A-2
Sequence 2, Application US/08459019A
Patent No. 5686080
GENERAL INFORMATION:
APPLICANT: Tripp, Cynthia A.
APPLICANT: Frank, Glenn R.
APPLICANT: Griev, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH P4 PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross & McIntosh
STREET: 1700 Lincoln Street, #3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,019A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 33,020
REFERENCE/DOCKET NUMBER: 2618-13-1
TELEPHONE: (303) 863-9700
TELEFAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-459-019A-2

Query Match 28.5%; Score 73.5; DB 1; Length 303;
Best Local Similarity 35.1%; Pred. No. 0.49;
Matches 20; Conservative 10; Mismatches 16; Indels 11; Gaps 2;

QY 1 YERDPQOYEQC-----QRCESEATEER-----EEOCEQRCEREREYKQOQROEE 46
Db 222 YTVSMQKQYDQVKEDKERRMQEERERLEVEEQIOEKLRQEEERERQOERRQKE 278

RESULT 12
US-08-460-428A-2
Sequence 2, Application US/08460428A
Patent No. 5912337
GENERAL INFORMATION:
APPLICANT: Tripp, Cynthia A.

APPLICANT: Frank, Glenn R.
APPLICANT: Griev, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross P.C.
STREET: 1700 Lincoln St., Suite 3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,428A
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13-3
TELEPHONE: 303/863-9700
TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-460-428A-2

Query Match 28.5%; Score 73.5; DB 2; Length 303;
Best Local Similarity 35.1%; Pred. No. 0.49;
Matches 20; Conservative 10; Mismatches 16; Indels 11; Gaps 2;

QY 1 YERDPQOYEQC-----QRCESEATEER-----EEOCEQRCEREREYKQOQROEE 46
Db 222 YTVSMQKQYDQVKEDKERRMQEERERLEVEEQIOEKLRQEEERERQOERRQKE 278

RESULT 13

US-08-458-860A-2
Sequence 2, Application US/08458860A
Patent No. 6100390
GENERAL INFORMATION:
APPLICANT: Frank, Glenn R.
APPLICANT: Tripp, Cynthia A.
APPLICANT: Griev, Robert B.
TITLE OF INVENTION: NOVEL PARASITIC HELMINTH
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross P.C.
STREET: 1700 Lincoln St., Suite 3500
CITY: Denver
STATE: CO
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,860A
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Connell, Gary J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-13-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-860A-2

Query Match 28.1%; Score 73.5; DB 3; Length 303;
Best Local Similarity 35.1%; Pred. No. 0.49;
Matches 20; Conservative 10; Mismatches 16; Indels 11; Gaps 2;

QY 1 YERDPROQYEQC---QRCSEATEER-----EOEQCEQRCEREYEQROQEE 46
DB 222 YTVSEQKXQDYKEDKEXRMQEEQERLRLEYEQIQKLRQEEERERQEQERBQKE 278

RESULT 14
US-08-961-858-6
Sequence 6, Application US/08961858
Patent No. 5834210
GENERAL INFORMATION:
APPLICANT: Liu, Shigui
TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,858
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-961-858-6

Query Match 28.1%; Score 72.5; DB 2; Length 288;
Best Local Similarity 34.0%; Pred. No. 0.59;
Matches 16; Conservative 13; Mismatches 17; Indels 1; Gaps 1;

QY 2 ERDPROQYEQC---QRCSEATEERQEQCEQRCEREYEQROQEE 47
DB 125 DIERRRRAERAEQQRIRNEREKERQNRRLAEERRARREERERKRAEDE 171

RESULT 15
US-09-089-593-6
Sequence 6, Application US/09089593
Patent No. 6060278
GENERAL INFORMATION:
APPLICANT: Liu, Shigui
TITLE OF INVENTION: STABLE TROPONIN SUBUNITS AND COMPLEXES
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/089,593
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/961,858
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1112-1-044 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-089-593-6

Query Match 28.1%; Score 72.5; DB 3; Length 288;
Best Local Similarity 34.0%; Pred. No. 0.59;
Matches 16; Conservative 13; Mismatches 17; Indels 1; Gaps 1;
QY 2 ERDPROQYEQC---QRCSEATEERQEQCEQRCEREYEQROQEE 47
DB 125 DIERRRRAERAEQQRIRNEREKERQNRRLAEERRARREERERKRAEDE 171

Search completed: March 1, 2001, 15:49:49
Job time: 394 sec